

Light efficiency:

104 Lumen/Watt

Light quality:

CRI: 82.6

Color temperature:

3014 K

Output: 1708 lm

Peak: 1864 cd

Power: 16.5 W

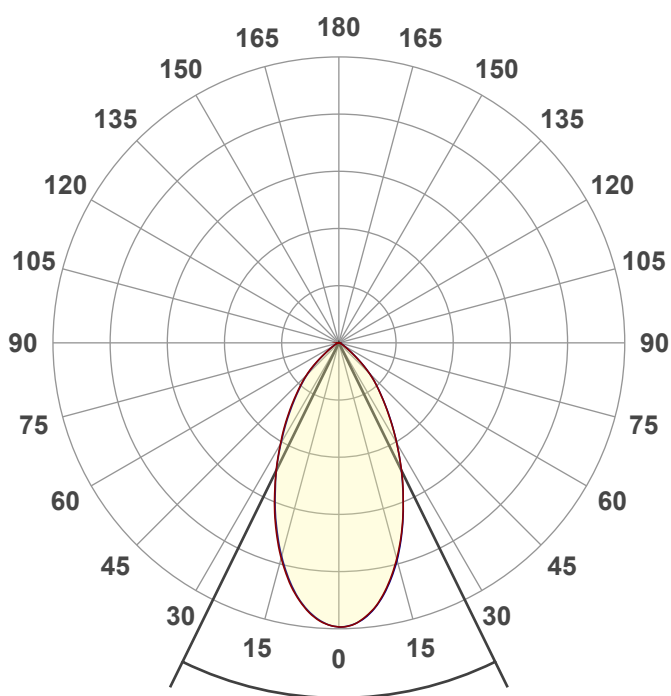
PF: 0.97



BETA-3R-SW-20LM-30K-80-50D-WH-WH

Date and time:

12/27/2022 3:31:59 PM



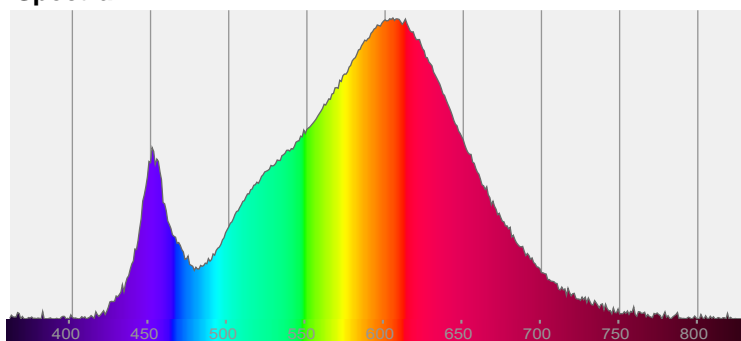
Beam angle

52.2°

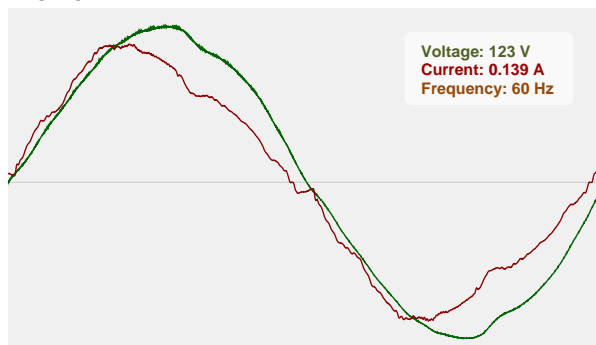


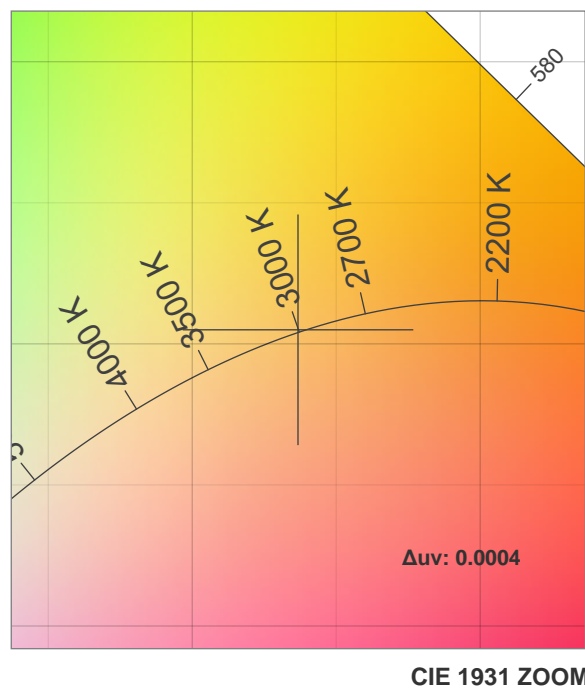
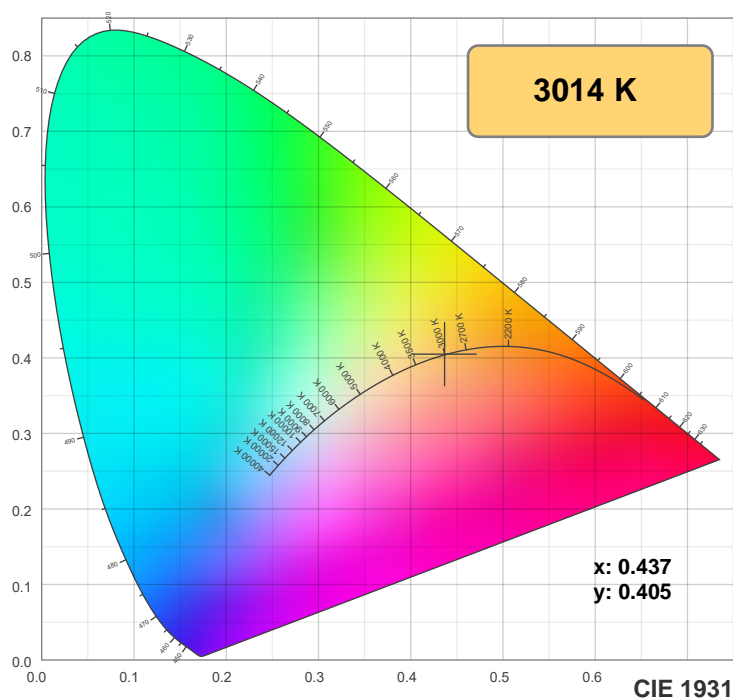
CIE 1931
x: 0.437
y: 0.405

Spectra

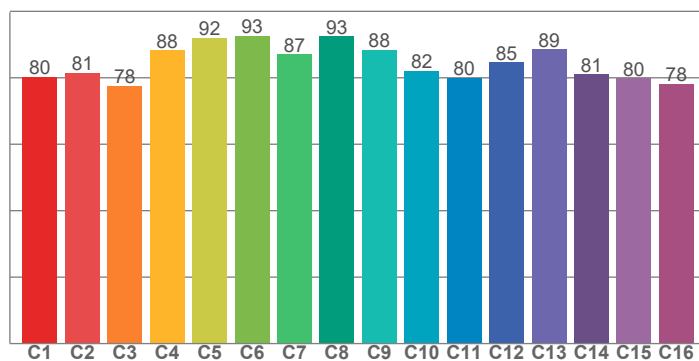


Power

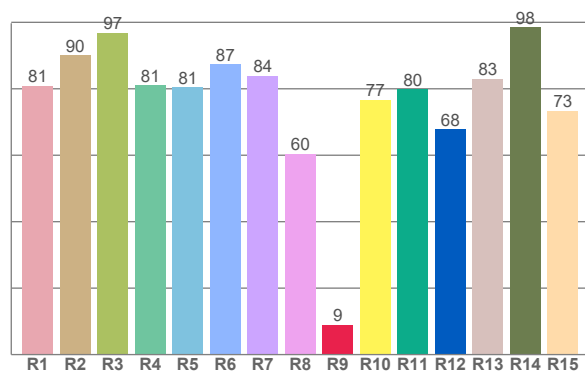




TM30: 84.6



CRI: 82.6 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
81.0	90.0	96.8	81.0	80.6	87.4	83.9	60.5	9.0	76.7	79.8	67.8	83.0	98.4	73.4

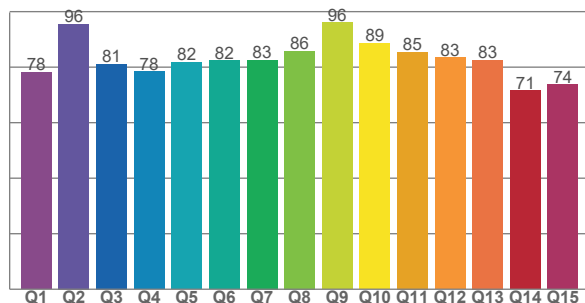
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
80.3	81.4	77.6	88.2	92.0	92.7	87.0	92.5	88.4	82.1	79.9	84.6	88.6	81.0	79.8	78.2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
78.1	95.5	81.1	78.3	81.8	82.4	82.5	85.8	96.0	88.6	85.5	83.4	82.6	71.5	73.7

CQS: 81.8



Color parameters

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3014 K	82.6	9.0	84.6	96.3	81.8	0.437	0.405	0.250	0.348	0.0004

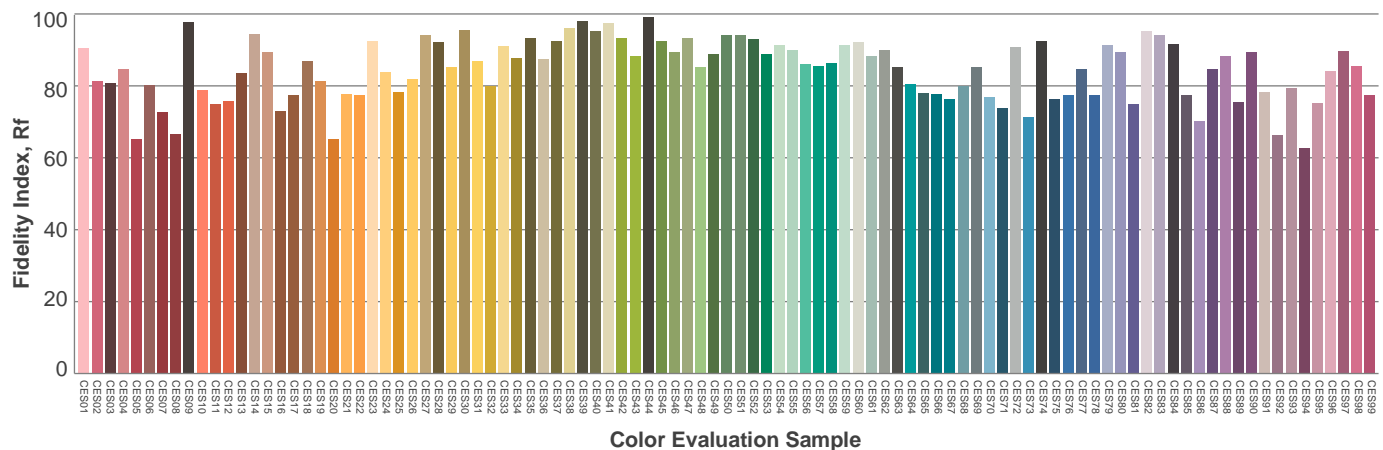
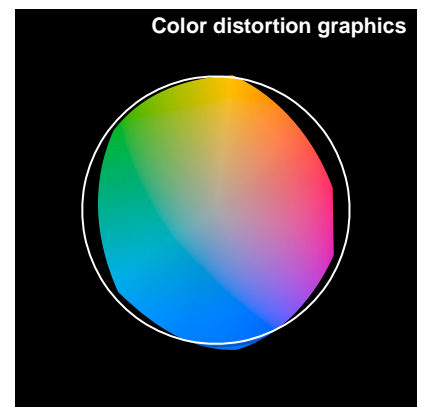
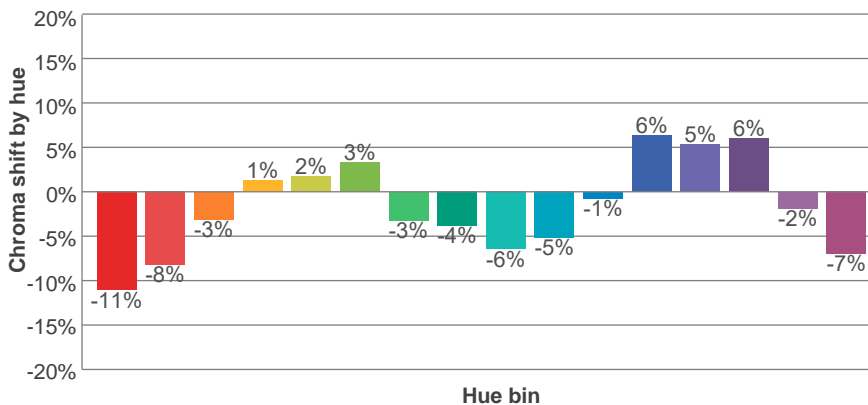
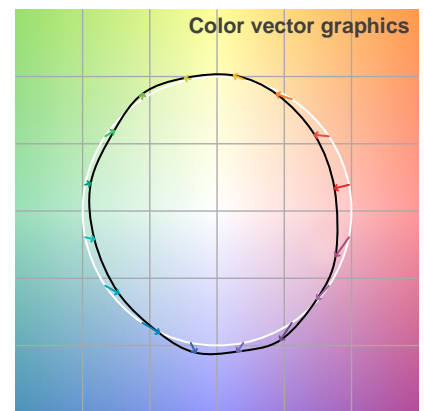
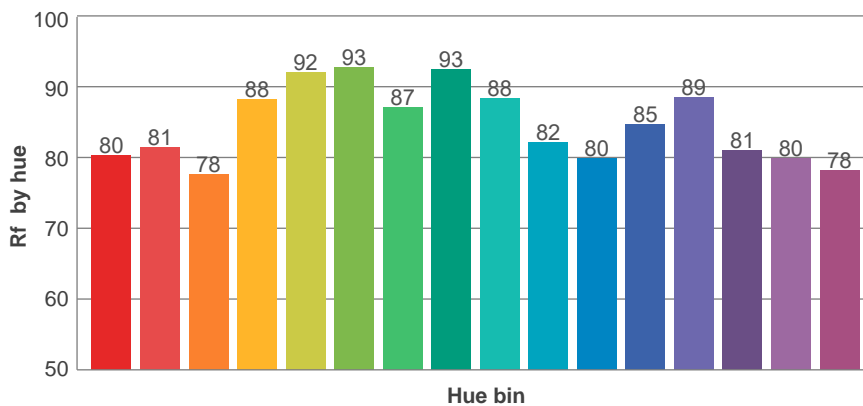
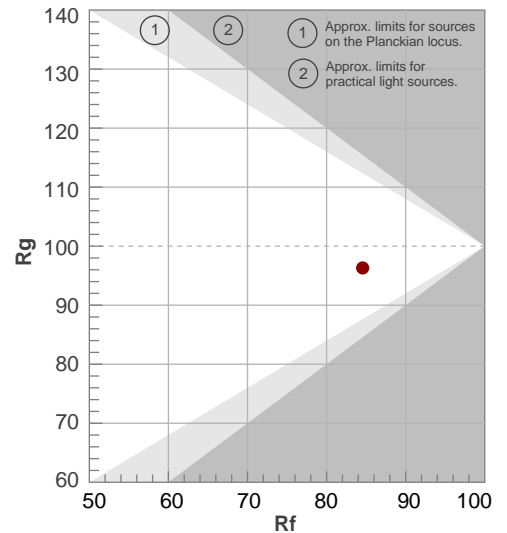
Rf 84.6

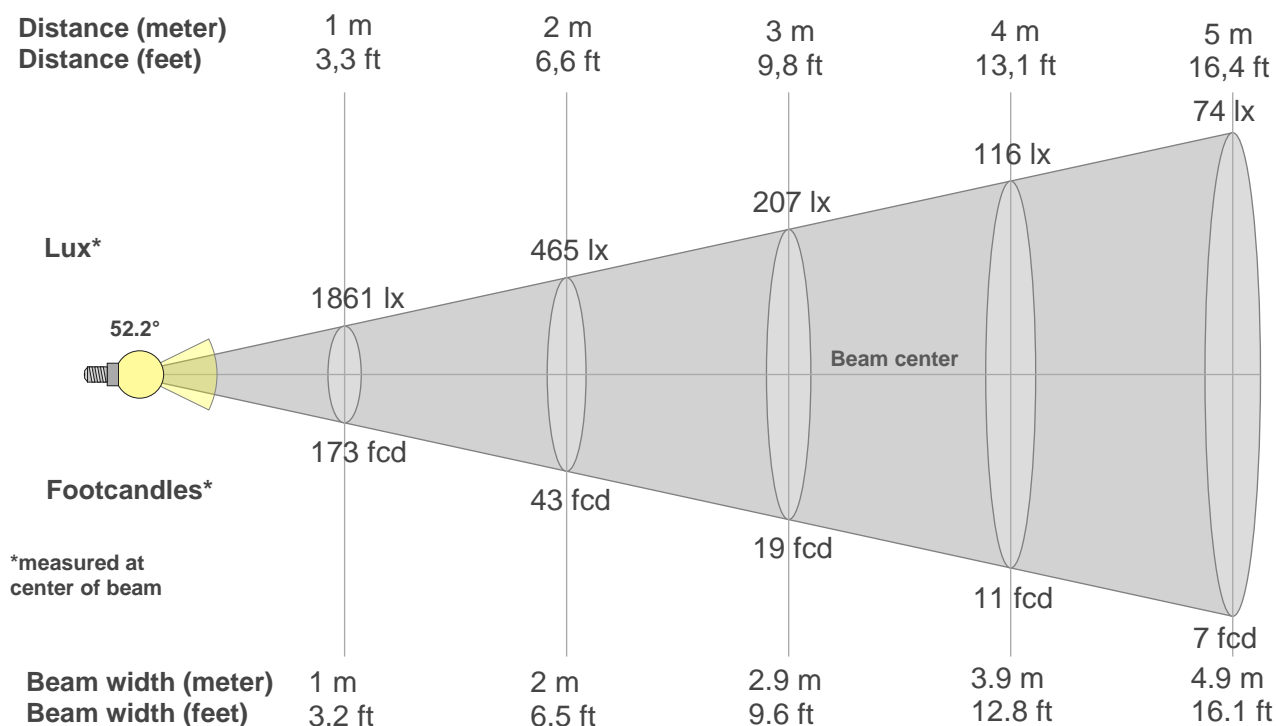
Fidelity index Rf

Rg 96.3

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	80	-11%	-1%
2	81	-8%	7%
3	78	-3%	11%
4	88	1%	7%
5	92	2%	4%
6	93	3%	-2%
7	87	-3%	-7%
8	93	-4%	-2%
9	88	-6%	3%
10	82	-5%	10%
11	80	-1%	15%
12	85	6%	5%
13	89	5%	-6%
14	81	6%	-14%
15	80	-2%	-13%
16	78	-7%	-16%





Beam intensities from 1-20m

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
1861lx	465lx	207lx	116lx	74lx	52lx	38lx	29lx	23lx	19lx	15lx	13lx	11lx	9lx	8lx	7lx	6lx	6lx	5lx	5lx
172.9fcd	43.2fcd	19.2fcd	10.8fcd	6.9fcd	4.8fcd	3.5fcd	2.7fcd	2.1fcd	1.7fcd	1.4fcd	1.2fcd	1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.5fcd	0.5fcd	0.4fcd

Intensities in 0° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
1861	1856	1833	1794	1744	1675	1596	1510	1419	1324	1226	1127	1034	940	847	760	677	600	531	468
100%	100%	99%	96%	94%	90%	86%	81%	76%	71%	66%	61%	56%	51%	46%	41%	36%	32%	29%	25%

Intensities in 90° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
1861	1855	1833	1797	1746	1681	1603	1519	1427	1330	1229	1127	1030	936	846	760	679	603	534	470
100%	100%	99%	97%	94%	90%	86%	82%	77%	71%	66%	61%	55%	50%	45%	41%	37%	32%	29%	25%

Intensities in 180° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
1861	1851	1827	1786	1731	1665	1590	1505	1416	1321	1225	1127	1031	940	852	767	692	619	550	486
100%	99%	98%	96%	93%	89%	85%	81%	76%	71%	66%	61%	55%	50%	46%	41%	37%	33%	30%	26%

Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
1861	1851	1822	1780	1725	1658	1580	1495	1404	1308	1213	1118	1023	936	845	759	680	606	536	472
100%	99%	98%	96%	93%	89%	85%	80%	75%	70%	65%	60%	55%	50%	45%	41%	37%	33%	29%	25%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
52.2°	97.9°	116.9°	98.1%	88.5%